

**DCOTSS Science Team Meeting #5 (Norman, OK)
Agenda – Day 1 (November 14th, 2023)**

National Weather Center, Room 1313

09:00 – Welcome & Opening Remarks (Cameron Homeyer & Ken Bowman)

Session 1: Stratospheric Chlorine

09:10	David Wilmouth	Analysis of DCOTSS Chlorine and Stratospheric Impact of the Hunga Tonga Volcanic Eruption
09:40	Eric Hints	The chlorine budget of the stratosphere during DCOTSS
10:00	Laila Howar	Chlorine activation analysis report

10:20-10:40 – Refreshment Break

Session 2: Marvelous Meteorology

10:40	Leslie Lait	Meteorological products from NASA GSFC
11:00	Ju-Mee Ryou	Relationship between Atmospheric Rivers and Overshooting Convection in the North American Monsoon region during DCOTSS 2021 and 2022
11:20	Ken Bowman	Environmental controls on overshooting convection over the contiguous United States
11:40	Elisa Murillo	A Method for Comparing Parcel Theory To Observations During the DCOTSS Summers

12:00-14:00 – Lunch Break

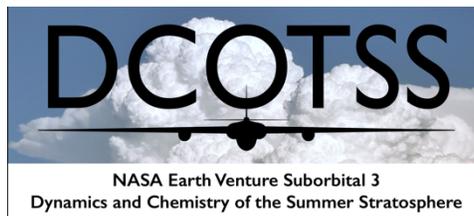
Session 3: Overshoots & Hydration

14:00	Chuntao Liu	Climatology of convection reaching the tropopause observed by TRMM and GPM Ku radars
14:20	Kris Bedka	Quantifying Stratospheric Injection Volume From Convective Storm Outbreaks
14:40	David Sayres	Water Vapor and Water Vapor Isotopic Evolution Over the Contiguous United States in Summer
15:00	Apoorva Pandey	Isotopic signatures of water vapor enhancements in the UTLS during DCOTSS

15:20-15:40 – Refreshment Break

Session 4: Signs of Air Transport

15:40	Sue Schaufler	Halocarbon Distributions and Trace Gas Relationships in the Lower Stratosphere During DCOTSS and ACCLIP
16:00	Erin Delaria	HCHO and NO ₂ enhancements during DCOTSS 2022
16:20	Kate Smith	A detailed look at the relationships between tropospheric tracers transported to the lower stratosphere via deep convective events over North America
16:40	Elliot Atlas	Influence of oil and gas surface emissions on NMHC composition in the UT/LS during DCOTSS



**DCOTSS Science Team Meeting #5 (Norman, OK)
Agenda – Day 2 (November 15th, 2023)**

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Session 5: Process-Level

09:00	Yaowei Li	Morphological and chemical properties of stratospheric aerosols from in situ and offline measurements in RF17
09:20	Devin Bissell	Insights from High-Resolution Idealized Simulations of Overshooting Convection on 26 July 2021
09:40	Andrea Gordon	Analysis of 31 May 2022 flight
10:00	Rei Ueyama	Vertical wind distribution and its relationship to H2O anomalies in the UTLS

10:20-10:40 – Refreshment Break

Session 6: Multiscale

10:40	Jessica Smith	Water vapor and Ozone observations during DCOTSS
11:00	Cameron Homeyer	Whatever I choose / have time to talk about
11:20	Jasna Pittman	Convective Mixing in the Stratosphere: Physical versus Chemical Perspectives
11:40	Corey Pedersen	In situ measurements of perturbations to stratospheric aerosol and modeled ozone and radiative impacts following the 2021 La Soufrière eruption
12:00	Brad Hall	SF6 and Age of Air

12:20-14:20 – Lunch Break

National Weather Center Atrium (Round Tables)

14:20-15:20 – Collaborative Breakout Session 1

Topics:

1. ACCLIP/DCOTSS Joint Campaign Analyses
2. Ozone & Water Vapor
3. Other Analyses

15:20-15:40 – Refreshment Break

15:40-16:40 – Collaborative Breakout Session 2

Topics:

1. Stratospheric Chlorine
2. Overshoot Dynamics & Modeling
3. Other Analyses

16:40-17:00 – Closing Discussion & Remarks (Cameron Homeyer & Ken Bowman)

18:00 – Reception at *The Standard* (315 E Gray St, Norman, OK 73069)